

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #0000315
STP00-0000-00(315)
Dawson County
GDOT District 1 - Gainesville
SR 52 @ SR 183 - Roundabout

OFFICE Design Policy & Support

DATE October 19, 2016

Kim Phillips
FROM *for* Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Eric Duff, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Justin Lott, District Design Engineer
Richard Cobb, Location Bureau Chief
Brent Cook, District Engineer
Brandon Kirby, District Preconstruction Engineer
Kim Coley, District Planning & Programming Engineer
Scott Frederick, Area Engineer - D1, A1
Bryan Lott, Project Manager
BOARD MEMBER - 9th Congressional District

INTERDEPARTMENT CORRESPONDENCE

DATE September 22, 2016

FROM Albert V. Shelby, III., State Program Delivery Engineer

TO Office of Design Policy and Support (via Concepts Reports mailbox)

SUBJECT: Submittal – Location and Design (L&D) Report

The Office of Program Delivery hereby submits the attached Location and Design (L&D) Report for your review and approval.

If any additional information is needed, please contact Bryan Lott at 404-631-1569.

AVS:KWN:DMB:DBL

Attachments: Preconstruction Status Report, Completed Location & Design approval request

cc: Emily Dunn, Transportation Board Member
Brent Story, State Design Policy & Support Engineer
Attn: Robert Graham
Hiral Patel, Director of Engineering
Joe Carpenter, Director P3/Program Delivery
Lisa Myers, State Project Review Engineer
Attn: Walt Taylor
Eric Duff, State Environmental Administrator
"OFM Concept Reports" Inbox – OFMConcept@dot.ga.gov
Cindy VanDyke, State Transportation Planning Administrator
Bobby Hilliard, Program Control Administrator
ROW Inbox - Plansoffice@dot.ga.gov
Andy Casey, State Roadway Design Engineer
Richard Cobb, State Location Bureau Chief
Andrew Heath, State Traffic Engineer
Transportation Data Inbox – HighwaySystemsAdministrator@dot.ga.gov
Scott Frederick, District 1 Area 1 Engineer
Brent Cook, District 1 Engineer
Kim Coley, District 1 Planning and Programming Engineer
Brandon Kirby, District 1 Preconstruction Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE PI 0000315
STP00-0000-00(315)
Dawson County
Roundabout at SR 52 @ SR 183

OFFICE Program Delivery
DATE September 22, 2016

FROM Albert V. Shelby III, State Program Delivery Engineer

TO Brent Story, P.E., State Design Policy Engineer
Attn: Dave Peters, P.E. State Conceptual Design Group Manager

SUBJECT Request for Location and Design Approval

Description and Project Proposal: The project is located in Dawson County, 12.5 miles northwest of Dawsonville and approximately 4.2 miles southeast of the Gilmer County line. The 0.42 mile long intersection improvement will reduce crash frequency and severity at the Sr 52 and SR 183 intersection.

Concept Approval Date: 8/10/2015

Environmental Document: This is a State-funded project with a total project cost of less than \$100 million which does not require a GEPA document.

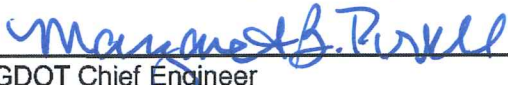
Public Involvement: The Public Information Open House was held on Feb 11, 2016 at the Amicalola State Park in Dawson County. There were 30 people in attendance for the Public Information Open House including two public officials and eight comments were received. Of those comments three were opposed, three were supporting, one was conditional and one was uncommitted. The main source of concern was a need for lighting at the intersection and proper advanced signage if a roundabout was chosen. There was also a comment that the redesign of the intersection was a waste of money.

The public officials in attendance were David McKee from Dawson County Public Works and James Swafford, Dawson County Commissioner.

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

Concur: 
GDOT Director of Engineering

Approve:  10/13/16
GDOT Chief Engineer Date

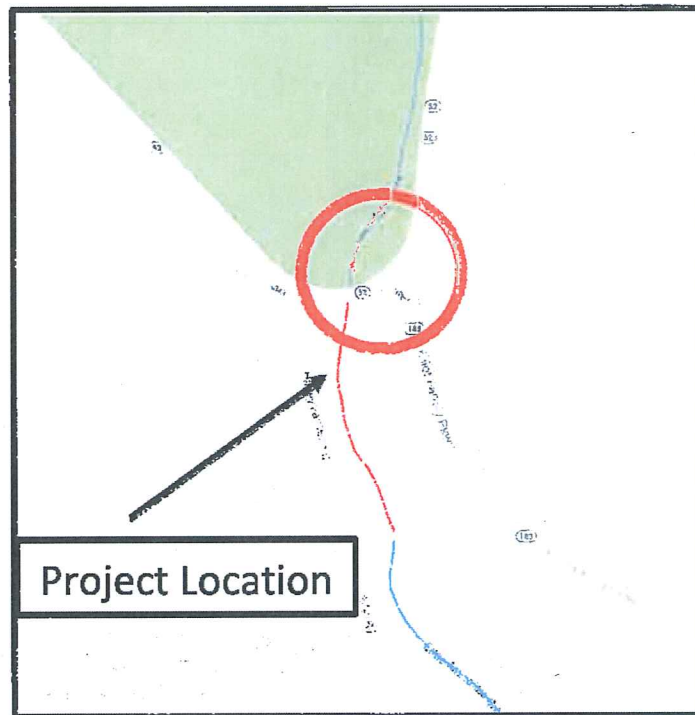
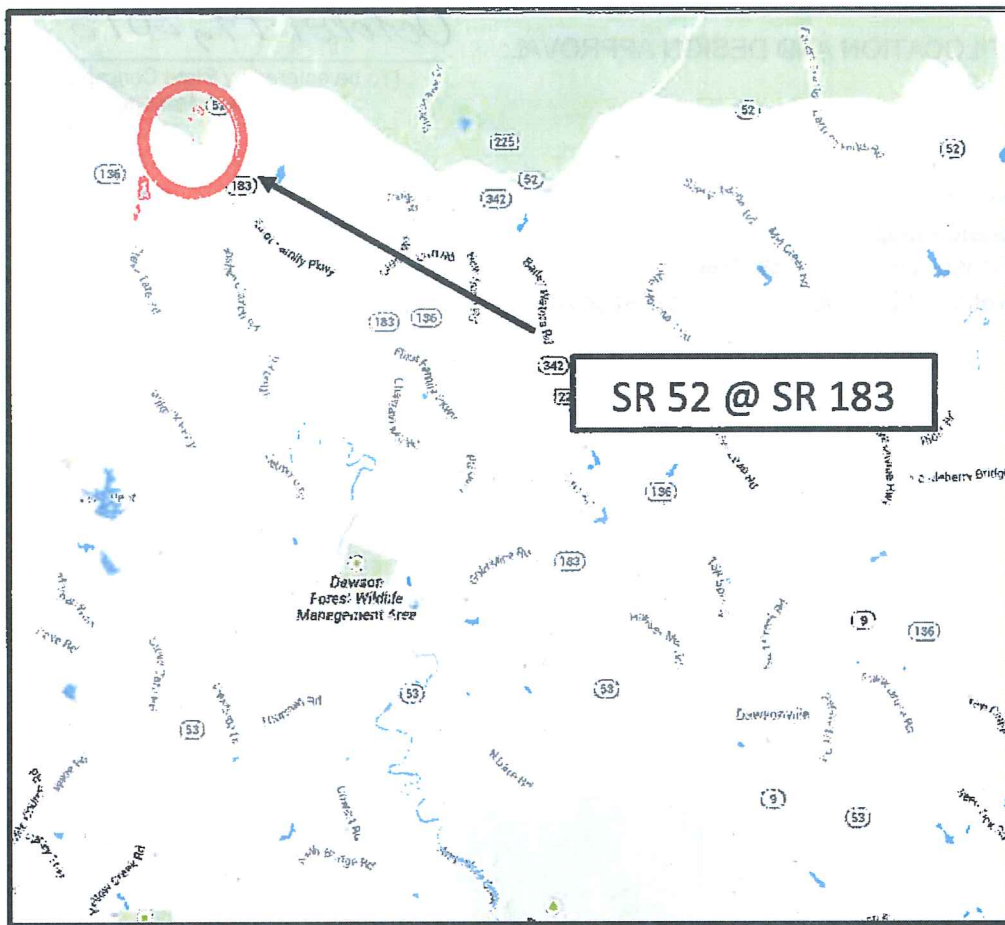
DATE OF LOCATION AND DESIGN APPROVAL:

October 19, 2016

(To be entered by State Conceptual Design
Group Manager)

Attachments:

- Sketch Map
- Construction Cost Estimate
- Notice of Location and Design Approval



Project Location Map
SR 52 at SR 183 Intersection Improvement
Dawson County

DETAILED COST ESTIMATE



Job: 0000315

JOB NUMBER: 0000315

FED/STATE PROJECT NUMBER

SPEC YEAR: 13

DESCRIPTION: SR 52 @ SR 183 INTERSECTION IMPROVEMENT

ITEMS FOR JOB 0000315

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$70,000.00000	TRAFFIC CONTROL - TRAFFIC CONTROL	\$70,000.00
0010	153-1300	1.000	EA	\$70,833.77000	FIELD ENGINEERS OFFICE TP 3	\$70,833.77
0015	210-0100	1.000	LS	\$133,141.35000	GRADING COMPLETE - GRADING COMPLETE	\$133,141.35
0020	310-1101	2620.000	TN	\$22.55144	GR AGGR BASE CRS, INCL MATL	\$59,084.77
0315	318-3000	23.000	TN	\$25.70101	AGGR SURF CRS	\$591.12
0415	402-1802	10.000	TN	\$168.76367	RECYL AC PATCHING, INCL BM&HL	\$1,687.64
0420	402-1812	8362.000	TN	\$70.94764	RECYL AC LEVELING, INC BM&HL	\$593,264.17
0025	402-3113	336.000	TN	\$76.67992	RECYL AC 12.5MM SP, GP1/2, BM&HL	\$25,764.45
0035	402-3121	997.000	TN	\$79.34529	RECYL AC 25MM SP, GP1/2, BM&HL	\$79,107.25
0030	402-3190	523.000	TN	\$86.70583	RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	\$45,347.15
0040	413-0750	1183.000	GL	\$3.54000	TACK COAT	\$4,187.82
0425	432-5010	800.000	SY	\$7.10557	MILL ASPH CONC PVMT, VARB DEPTH	\$5,684.46
0410	439-0052	413.000	SY	\$91.00000	PLN PC CONC PVMT CL HES 10THK	\$37,583.00
0260	441-0104	274.000	SY	\$39.64103	CONC SIDEWALK, 4 IN	\$10,861.64
0045	441-0756	408.000	SY	\$50.61000	CONC MEDIAN, 8 IN	\$20,648.88
0050	441-5008	123.000	LF	\$12.68660	CONC HEADER CURB, 6 IN, TP 7	\$1,560.45
0055	441-5025	253.000	LF	\$12.31000	CONC HEADER CURB, 4, TP 9	\$3,114.43
0060	441-6222	1174.000	LF	\$18.18899	CONC CURB & GUTTER/ 8X30TP2	\$21,353.87
0065	456-2015	0.375	GLM	\$1,233.49844	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	\$462.56
0310	632-0003	3.000	EA	\$6,092.87757	CHANGEABLE MESS SIGN, PORT, TP 3	\$18,278.63
0075	634-1200	29.000	EA	\$117.36746	RIGHT OF WAY MARKERS	\$3,403.66
0080	641-1200	1902.000	LF	\$17.84144	GUARDRAIL, TP W	\$33,934.42
0085	641-5001	3.000	EA	\$779.64792	GUARDRAIL ANCHORAGE, TP 1	\$2,338.94
0090	641-5012	3.000	EA	\$2,029.10294	GUARDRAIL ANCHORAGE, TP 12	\$6,087.31
SUBTOTAL FOR ROADWAY:						\$1,248,321.74

0020 - CULVERT

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0100	500-3101	183.000	CY	\$779.53554	CLASS A CONCRETE	\$142,655.00
0105	511-1000	17730.000	LB	\$0.92139	BAR REINF STEEL	\$16,336.24
0070	610-9006	1.000	LS	\$5,000.00000	REM PORTIONS WINGWALLS & PARAPETS, STA - REMOVE WINGWALL/PARAPET	\$5,000.00
SUBTOTAL FOR CULVERT:						\$163,991.24

DETAILED COST ESTIMATE



Job: 0000315

0025 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0360	500-3800	6.000	CY	\$924.51118	CL A CONC, INCL REINF STEEL	\$5,547.07
0385	550-1180	59.000	LF	\$48.84867	STM DR PIPE 18,H 1-10	\$2,882.07
0390	550-1181	36.000	LF	\$35.37388	STM DR PIPE 18,H 10-15	\$1,273.46
0395	550-1182	47.000	LF	\$50.85000	STM DR PIPE 18,H 15-20	\$2,380.55
0400	550-1240	151.000	LF	\$47.44145	STM DR PIPE 24,H 1-10	\$7,163.66
0405	550-2180	98.000	LF	\$33.37356	SIDE DR PIPE 18,H 1-10	\$3,270.61
0365	550-4118	2.000	EA	\$516.84957	FLARED END SECT 18 IN, SIDE DR	\$1,033.70
0370	550-4218	6.000	EA	\$543.85486	FLARED END SECT 18 IN, ST DR	\$3,263.13
0355	603-2024	24.000	SY	\$57.62465	STN DUMPED RIP RAP, TP 1, 24	\$1,382.99
0350	603-2181	32.000	SY	\$39.07463	STN DUMPED RIP RAP, TP 3, 18	\$1,250.39
0345	603-2182	64.000	SY	\$48.90428	STN DUMPED RIP RAP, TP 3, 24	\$3,129.87
0340	603-7000	120.000	SY	\$3.71288	PLASTIC FILTER FABRIC	\$445.55
0375	668-1100	6.000	EA	\$2,147.90528	CATCH BASIN, GP 1	\$12,887.43
0380	668-1110	11.000	LF	\$188.73681	CATCH BASIN, GP 1, ADDL DEPTH	\$2,076.10
SUBTOTAL FOR DRAINAGE:						\$47,986.58

0030 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0110	636-1033	116.000	SF	\$19.24994	HWY SIGNS, TP1MAT,REFL SH TP 9	\$2,232.99
0120	636-1036	112.000	SF	\$21.41000	HWY SGN,TP1MAT,REFL SH TP 11	\$2,397.92
0125	636-2070	390.000	LF	\$7.55917	GALV STEEL POSTS, TP 7	\$2,948.08
0130	636-2080	76.000	LF	\$8.65914	GALV STEEL POSTS, TP 8	\$658.08
0135	636-2090	74.000	LF	\$7.74219	GALV STEEL POSTS, TP 9	\$572.92
0140	636-3010	4.000	EA	\$467.45859	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	\$1,869.83
0150	653-0130	3.000	EA	\$100.83924	THERM PVMT MARK, ARROW, TP 3	\$302.52
0145	653-0296	3.000	EA	\$176.75000	THERMO PVMT MARKING,WORD,TP 15	\$530.25
0155	653-1501	3184.000	LF	\$0.65686	THERMO SOLID TRAF ST 5 IN, WHI	\$2,091.44
0160	653-1502	2234.000	LF	\$0.64857	THERMO SOLID TRAF ST, 5 IN YEL	\$1,448.91
0320	653-1804	608.000	LF	\$2.29169	THERM SOLID TRAF STRIPE, 8,WH	\$1,393.35
0165	653-1810	114.000	LF	\$1.21563	THER SLD TRAF STRIPE, 10 IN, W	\$138.58
0170	653-4830	90.000	GLF	\$2.02000	THER SKIP TRAF ST, 18 IN, WHT	\$181.80
0325	653-6006	150.000	SY	\$4.03952	THERM TRAF STRIPING, YELLOW	\$605.93
0175	654-1001	14.000	EA	\$5.93488	RAISED PVMT MARKERS TP 1	\$83.09
SUBTOTAL FOR SIGNING AND MARKING:						\$17,455.70

DETAILED COST ESTIMATE**Job: 0000315****0040 - TEMPORARY EROSION CONTROL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0180	163-0232	6.400	AC	\$223.50286	TEMPORARY GRASSING	\$1,430.42
0185	163-0240	93.400	TN	\$232.98531	MULCH	\$21,760.83
0190	163-0300	1.000	EA	\$1,307.64364	CONSTRUCTION EXIT	\$1,307.64
0205	163-0527	27.000	EA	\$304.12425	CNST/REM RIP RAP CKDM, STN P RIPRAP/SN BG	\$8,211.35
0195	165-0030	4728.000	LF	\$0.61124	MAINT OF TEMP SILT FENCE, TP C	\$2,889.94
0330	165-0041	432.000	LF	\$1.38728	MAINT OF CHECK DAMS - ALL TYPES	\$599.30
0210	165-0101	1.000	EA	\$560.52732	MAINT OF CONST EXIT	\$560.53
0215	167-1000	2.000	EA	\$213.79811	WATER QUALITY MONITORING AND SAMPLING	\$427.60
0220	167-1500	12.000	MO	\$529.94990	WATER QUALITY INSPECTIONS	\$6,359.40
0230	171-0030	4728.000	LF	\$2.80109	TEMPORARY SILT FENCE, TYPE C	\$13,243.55
0095	643-8200	1173.000	LF	\$1.27979	BARRIER FENCE (ORANGE), 4 FT	\$1,501.19
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$58,291.75

0050 - PERMANENT EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0240	700-6910	4.300	AC	\$744.64725	PERMANENT GRASSING	\$3,201.98
0245	700-7000	17.100	TN	\$101.59759	AGRICULTURAL LIME	\$1,737.32
0250	700-8000	2.600	TN	\$551.15953	FERTILIZER MIXED GRADE	\$1,433.01
0255	700-8100	214.000	LB	\$2.29411	FERTILIZER NITROGEN CONTENT	\$490.94
0335	711-0100	1614.000	SY	\$4.04000	TURF REINFORCING MATTING, TP 1	\$6,520.56
0235	716-2000	17768.000	SY	\$0.94753	EROSION CONTROL MATS, SLOPES	\$16,835.71
SUBTOTAL FOR PERMANENT EROSION CONTROL:						\$30,219.52

TOTALS FOR JOB 0000315

ITEMS COST:	\$1,566,266.53
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,566,266.53
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,566,266.53

NOTICE OF LOCATION AND DESIGN APPROVAL

STP00-0000-00(315)

P.I. 0000315

Dawson County

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is: October 19, 2016

The proposed project will be to reconstruct the existing intersection of SR 52 at SR 183 into a roundabout. The project is located in Land District 1 in Dawson County, 12.5 miles northwest of Dawsonville and approximately 4.2 miles southeast of the Gilmer County line. The 0.4 mile long intersection improvement will reduce crash frequency and severity. *and improve operations.*
is intended to

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Scott Frederick
sfrederick@dot.ga.gov
2594 Gillsville Highway
Gainesville, GA 30507
(770) 531-5882

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Albert V. Shelby III,
State Program Delivery Engineer
Attn: Bryan Lott
blott@dot.ga.gov
One Georgia Center
600 West Peachtree Street
Atlanta, GA 30308
(404) 631-1550

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.